

2001 SOYBEAN CHEMICAL USAGE

Nitrogen was applied to 11% of the total 2001 soybean acreage in the eight states surveyed. Growers in the eight states applied an average of 1.0 treatments per acre and used an average of 22 pounds per treatment. In the states surveyed, 17% of the soybean acreage received phosphate fertilizer. Potash fertilizer was applied to 20% of the soybean acreage.

Herbicides were applied to 96% of the total soybean acreage in the eight states surveyed. Glyphosate was applied to 67% of the Minnesota acreage, with Imazamox applied to 14% of the acreage. Growers in the surveyed states applied insecticide to only 1 percent of the total soybean acres planted. There were too few reports to publish individual state data for the insecticides. Growers reported few fungicide or other chemical applications.

SOYBEANS: Acreage, Percent Receiving Chemicals, Number of Applications, Rates per Application, Selected States, 2001

State	Area Planted	Nitrogen			Phosphate			Potash			Herbicide	Insecticide
		Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Appli- cations	Rate per Appli- cation	Area Applied 1/	Area Applied 1/
	1,000 Acres	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Number	Pounds	Percent	Percent
IL 2/	10,700	10	1.0	37	12	1.0	72	22	1.0	105	96	*
IN 2/	5,600	12	1.0	16	20	1.0	49	36	1.0	105	98	*
IA 2/	11,000	5	1.1	16	9	1.0	45	10	1.0	66	95	*
MN 2/	7,300	13	1.0	16	13	1.0	34	12	1.0	48	99	*
TOTAL 3/	52,000	11	1.0	22	17	1.0	48	20	1.0	83	96	1

1/ Refers to acres receiving one or more applications of a specific chemical.

2/ Insufficient reports to publish data for insecticides.

3/ Refers to eight major soybean states including: AR, IL, IN, IA, MN, MO, NE, and OH.

* Amount represents less than 1 percent.

SOYBEANS: Frequency and Extent of Chemical Usage by Active Ingredient, Minnesota, 2001 1/

Active Ingredient	Area Applied 2/	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Pounds	Pounds	1,000 Pounds
HERBICIDES:					
Fomesafen	12	1.0	0.18	0.18	159
Glyphosate	67	1.3	0.65	0.87	4,240
Imazamox	14	1.0	0.04	0.04	37
Imazethapyr	11	1.0	0.06	0.06	44
Pendimethalin	12	1.0	1.10	1.10	960
Trifluralin	8	1.0	0.70	0.70	424

1/ Planted acres in 2001 for Minnesota were 7.30 million acres.

2/ Refers to acres receiving one or more applications of a specific chemical.